

SYSTEM **P**LANNING & **A**NALYSIS **R**EPORT

S - 2

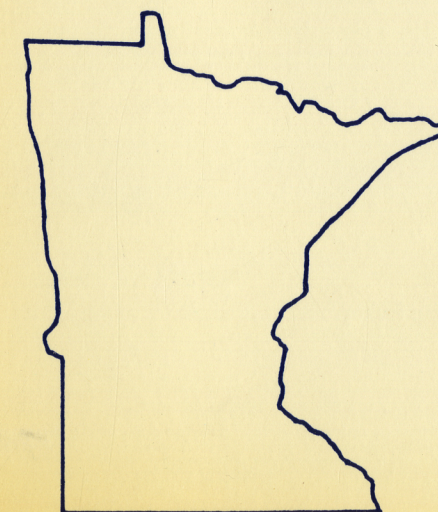
T.H. 212, 694

T.H. 212: T.H. 120 TO PROPOSED CSAH 19
T.H. 694: TEMP. T.H. 212 TO CO. RD. 68

S.P. 8214-47, 8286-03

FEBRUARY, 1970

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

DEPARTMENT HIGHWAY

STATE OF MINNESOTA

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: February 25, 1970

FROM : Morris Gildemeister, Chief
Statewide Planning Section

SUBJECT: T.H. 212: T.H. 120 to Prop. CSAH 19;
TH 694: Temp. T.H. 212 to Co. Rd. 68
S.P. 8214-47, 8286-03
System Planning & Analysis Report S-2

The Statewide Planning Section transmits this report in response to R. T. Peterson's October 21, 1969 request for the 1985 ADT, DHV, and HCA DT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4-6:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCA DT

Segment 18 on proposed T.H. 212, with a 1985 ADT of 25,800 has the highest 1985 ADT on the project section on this trunk highway. The 1968 ADT for this segment on the parallel section of existing T.H. 212 is 4100 vehicles. Segment 17 on proposed T.H. 694, with a 1985 ADT of 47,400, has the highest 1985 ADT on the project section of that trunk highway. The 1968 ADT for that segment on the parallel section of T.H. 120 is 7950 vehicles.

The basis data, method, and assumptions used to prepare this report are presented on page 7.

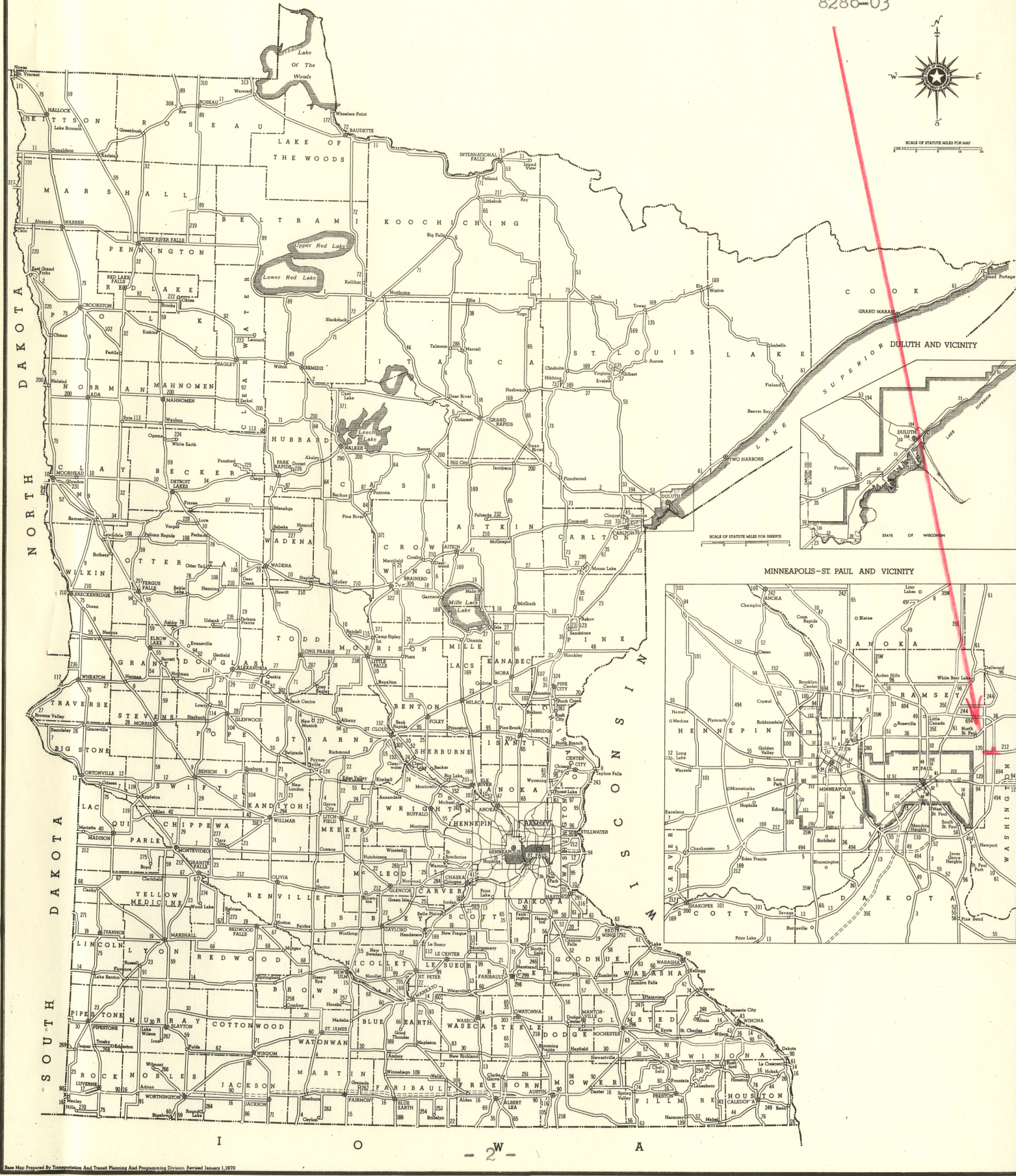
Morris Gildemeister

Morris Gildemeister, Chief
Statewide Planning Section

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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

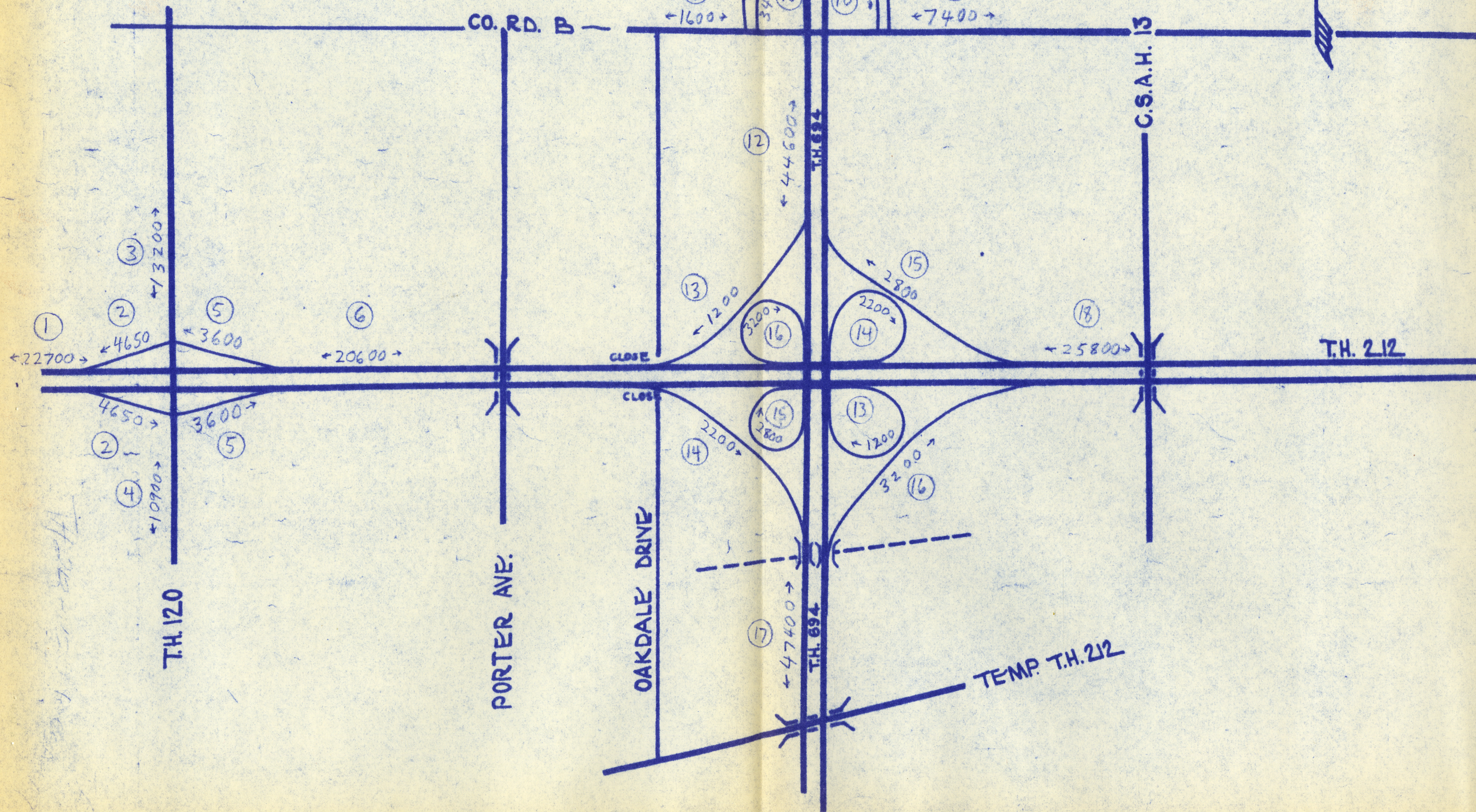
Project Location
S.P. 8214-47
8286-03

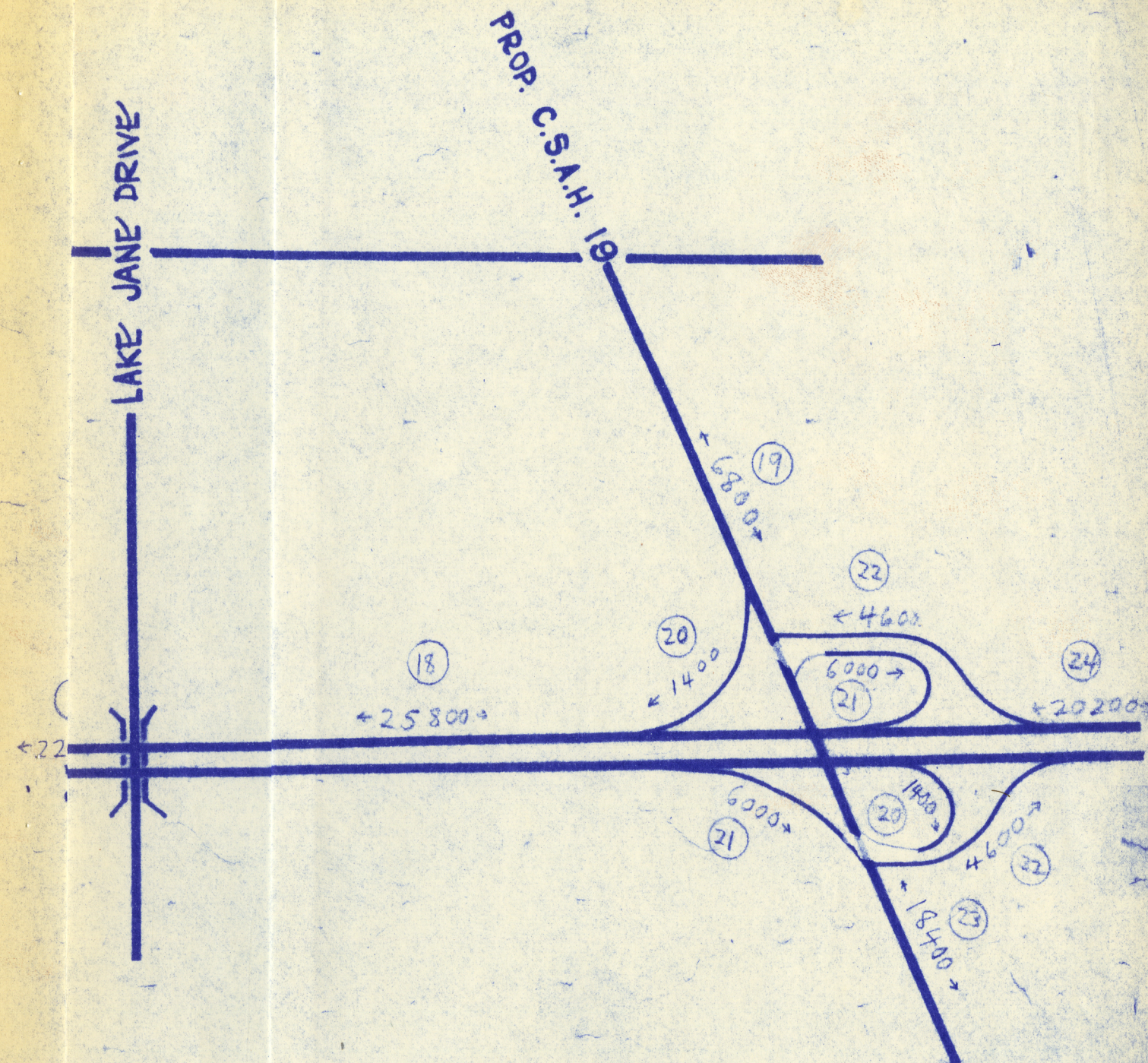


Line 790

CO. RD. 68

T.H. 212 & T.H. 694
S.P. 8214-47 (T.H. 212)
S.P. 8286-03 (T.H. 694)
1994 ADT, DHV, HCA DT





S - 2
 February, 1970
 T.H. 212, 694
 S.P. 8214-47, 8286-03
 T.H. 212: T.H. 120 to Proposed CSAH 19
 T.H. 694: Temp. T.H. 212 to Co. Rd. 68

LEGEND

Segment Number 24
 1985 ADT 20200

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 3

FOR

T.H. 212, 694 S.P. 8214-47, 8286-03 LENGTH --- MILES
 COUNTY Washington LOCATION TH 212: TH 120 to Proposed CSAH 19;
TH 694: Temp. TH 212 to Co. Rd. 68

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	21285	4306	12211	10068	3381	19434	37150	665	1520	3229	7028
1	660	157	480	406	108	562	698	17	38	81	176
2	160	39	162	142	35	153	507	5	12	26	58
3	104	18	15	6	9	86	95	3	6	14	30
4	50	9	28	24	9	50	217	3	7	15	32
5	102	22	27	18	10	79	328	4	10	21	46
6	339	99	277	236	48	236	205	3	7	14	30
TOTAL ADT	22700	4650	13200	10900	3600	20600	39200	700	1600	3400	7400
TOTAL H. COMM. ADT	1415	344	989	832	219	1166	2050	35	80	171	372
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 3

FOR

T.H. 212, 694 S.P. 8214-47, 8286-03 LENGTH --- MILES
 COUNTY Washington LOCATION TH 212: TH 120 to Proposed CSAH 19;
TH 694: Temp. TH 212 to Co. Rd. 68

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	42278	1141	2074	2660	3017	44858	24358	6434	1322	5665	4395
1	826	27	69	64	101	984	700	204	39	165	117
2	549	8	22	19	31	601	193	32	7	31	17
3	117	3	1	6	2	105	94	17	5	19	9
4	241	8	8	20	10	221	78	21	6	27	12
5	362	5	1	11	2	336	93	17	6	28	10
6	227	8	25	20	37	295	284	75	15	65	40
TOTAL ADT	44600	1200	2200	2800	3200	47400	25800	6800	1400	6000	4600
TOTAL H. COMM. ADT	2322	59	126	140	183	2542	1442	366	78	335	205
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 3

FOR

T.H. 212, 694 S.P. 8214-47, 8286-03 LENGTH -- MILESCOUNTY Washington LOCATION TH 212: TH 120 to Proposed CSAH 19;TH 694: Temp. TH 212 to Co. Rd. 68

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 24 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER									
	23	24								
0	17394	19174								
1	503	526								
2	91	151								
3	58	64								
4	77	36								
5	83	45								
6	194	204								
TOTAL ADT	18400	20200								
TOTAL H. COMM. ADT	1006	1026								
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method, and Assumptions

The 1985 ADT and DHV is presented in TAS 669-14, transmitted on November 19, 1969.

The total HCADT volumes agree with System 14 computer truck study. Vehicle types in this report basically agree with those in previous reports except for traffic reassignment made to alternate roadway designs for both T.H. 212 and T.H. 694. This design change is explained further in TAS 669-14.

The 1994 volumes may be obtained by expanding the reported volumes by approximately 30 percent.